ICF-C120

SERVICE MANUAL

US Model
Canadian Model
AEP Model
Australian Model

SPECIFICATIONS

Frequency range

US, Canadian model	AEP, AUS model
FM : 87.6–108MHz AM : 530–1,710kHz	FM : 87.6–107.5MHz AM : 531–1,602kHz

Antenna — FM : FM wire antenna
AM : Built-in ferrite bar antenna

Speaker — Approx. 6.6cm (2⅝ inches) dia.

Power output — 200mW (at 10% harmonic distortion)

Power requirement — 120V AC, 60Hz (US, Canadian model)
220V AC, 50Hz (AEP model)
240V AC, 50Hz (AUS model)
For the power backup function :
9V DC, one 6F22 battery

Battery life — Approx. 80 hours, using Sony battery S-006P (U)

Dimensions — Approx. 114×115×116mm (w/h/d)
(4½×4⅝×4⅝ inches)
incl. projecting parts and controls

Weight

US, Canadian, AUS model	AEP model
Approx. 680g (1 lb 5 oz)	Approx. 770g (1 lb 11 oz)

not incl. battery

Design and specifications subject to change without notice.

FEATURES

- High quality FM/AM 2 band radio combined with an electric digital alarm clock and timer.
- Choice of awakening to radio or buzzer alarm.
- Easy-to-read green LED display.
- Power backup function to keep the clock operating during a power interruption, using an optional 6F22 battery.
- DREAM BAR SNOOZE/SLEEP OFF (US, Canadian, AUS model), REPEAT ALARM/SLEEP OFF (AEP model) : feather-light touch to operate, and having functions : snooze alarm, sleep timer off, and instant readout of the alarm.

AUS : Australian model

FM/AM DIGITAL CLOCK RADIO

SONY®

MICROFILM

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

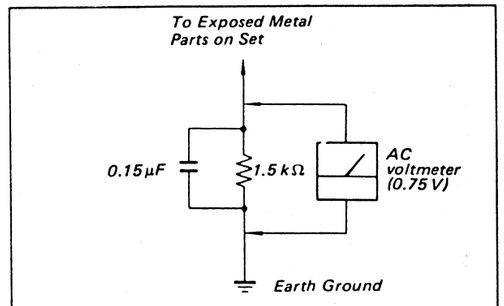


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

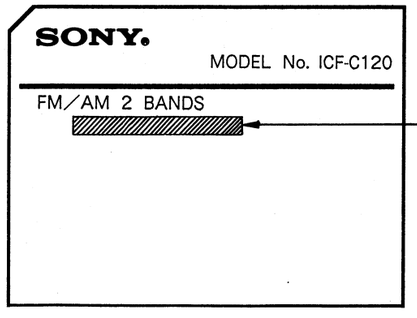
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

MODEL IDENTIFICATION

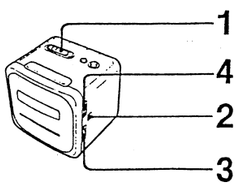
–Model Number Labal–



US, Canadian Model :
AC : 120V~60Hz 5W
AEP Model :
AC : 220V~50Hz 5W
Australian (AUS) Model :
AC : 240V~50Hz 5W

Time Display
12 hours : US, Canadian, AUS model
24 hours : AEP model

Radio Operation



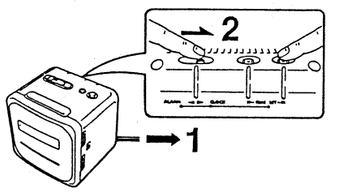
1 Set the function selector switch to RADIO ON.
2 Select the desired band.
3 Tune in the desired station.
4 Adjust the volume.

To turn off the radio, set the function selector switch to OFF.

For Improved Reception

FM: Extend the FM wire antenna fully to increase the FM sensitivity.
AM: Since the reception is affected by the direction of the radio, rotate the unit horizontally for optimum reception.

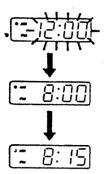
How to Set the Clock



1 Connect the AC power cord to a wall outlet.
Figures will appear and begin to flicker.

2 Adjust the clock to the current time with the TIME SET buttons, H (hour) and M (minute), while holding the ALARM/CLOCK set switch to the CLOCK side.

Example: To set to 8:15 AM



12-hours system (US, Canadian, AUS model)	24-hour system (AEP model))
AM 12 : 00=midnight PM 12 : 00=noon	0 : 00=midnight 12 : 00=noon

Note: The minutes digits advance to "00" after "59". The hour digits advance none.

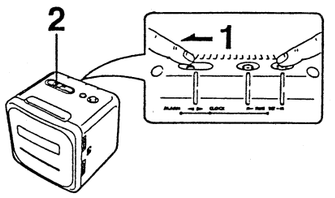
Zero Second Adjustment
If you want to adjust the time exactly to the second with a radio or a telephone time signal, proceed as in the following Example.

Example: To set to 7:15 AM

1 Adjust the time indication to 7:14, as described before.
2 While holding the ALARM/CLOCK set switch to ALARM, press the SLEEP button. (The time display indicates the minute one's digit and the seconds.) Then, continuing to hold the ALARM/CLOCK switch to ALARM, press the H button simultaneously with a radio or telephone time signal. The clock will begin to operate, showing the precise time of day.
If the time display still indicates 7:14 when the ALARM/CLOCK set switch is released, advance the minute-digit to 15 by pressing the M button once while holding the ALARM/CLOCK switch to CLOCK.

Example: When the current time is 7:15:10 a.m., the display will become:

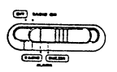
How to Set the Alarm



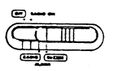
1 Set the alarm time with H and M, holding the ALARM/CLOCK set switch to the ALARM side.

2 Set the function selector switch to ALARM RADIO or BUZZER.

For radio alarm
Tune in the desired station and adjust the volume as described in "Radio operation".



For buzzer alarm
Turn down the volume, otherwise the radio will be mixed up.



The desired alarm sound will come on at the preset time.

When the Alarm Sound Comes on

To stop the radio or buzzer sound, set the function selector switch to OFF or press the ALARM RESET button.

Snooze alarm function
If you wake to the alarm sound in the morning but want to doze for a few more minutes, just lightly press the DREAM BAR SNOOZE/SLEEP OFF.
The alarm sound will be silenced, but will automatically come on again after about nine minutes. If you want to doze more, press the bar again. You can repeat this snooze function as many times as you like. If you do not want the alarm sound any more after pressing the bar, press the ALARM RESET button.

To wake to the alarm sound at the same time the next day
Stop the radio or buzzer sound by pressing the ALARM RESET button. Leave the function selector switch to ALARM RADIO or BUZZER.

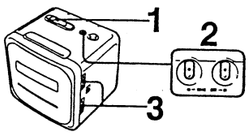
If you want to listen to the radio continuously
Set the function selector switch to RADIO ON.

The volume of the alarm sound
- The radio volume can be adjusted.
- The buzzer volume is fixed.

To check the preset time
Hold the ALARM/CLOCK set switch to the ALARM side.

How to Set the Sleep Timer

By using the sleep timer, you can fall asleep while listening to the radio. You can set the sleep time so that the radio turns off up to 1 hour and 59 minutes later.



1 Set the function selector switch to RADIO OFF.

2 Press SLEEP.
The radio turns on. The radio will turn off after 59 minutes. 0:59

To listen to the radio for 1 hour and 59 minutes, press the H button while holding down the SLEEP button. 1:59

To set the desired time
The digits will be reduced by 1 with each push of the M button while holding down SLEEP. So, you can set the desired time within the range from 1 hour and 59 minutes to 1 minute.

0:59 → 0:58 ··· → 0:10

or

1:59 → 1:58 ··· → 1:00

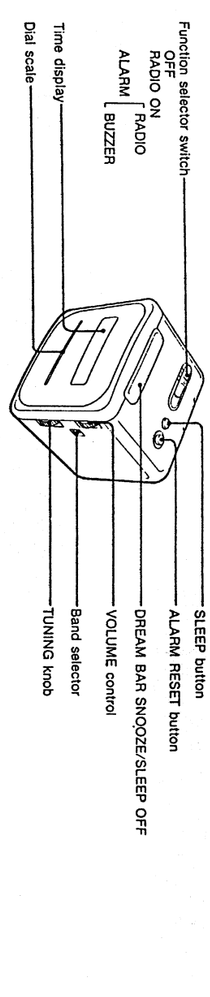
3 Tune in the desired station and adjust the volume.
The radio will turn off automatically after the preset time had elapsed.

To turn off the radio before the preset time
Press the DREAM BAR SNOOZE/SLEEP OFF.

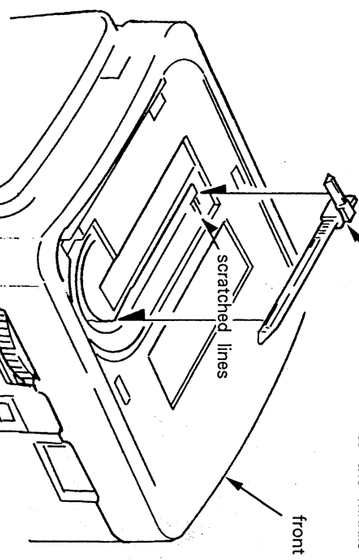
If the preset alarm time comes while the sleep timer is operating
The alarm will not sound.

Note: When you fall asleep listening to the radio and wake to the buzzer next morning, the radio sound will be mixed up to the buzzer.

PARTS IDENTIFICATION



SECTION 2
DIAL POINTER SETTING

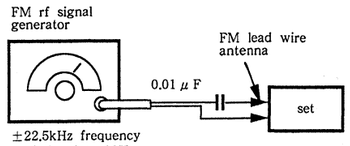


❷ Set the right end of the pointer to the middle of the scratched lines.

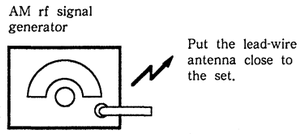
❶ Turn TUNING knob fully in the direction of the arrow.

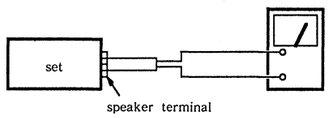
SECTION 3
ELECTRICAL ADJUSTMENTS

FM Section



AM Section





● Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L3	86.5MHz
CT3	109.5MHz

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L2	86.5MHz
CT2	109.5MHz

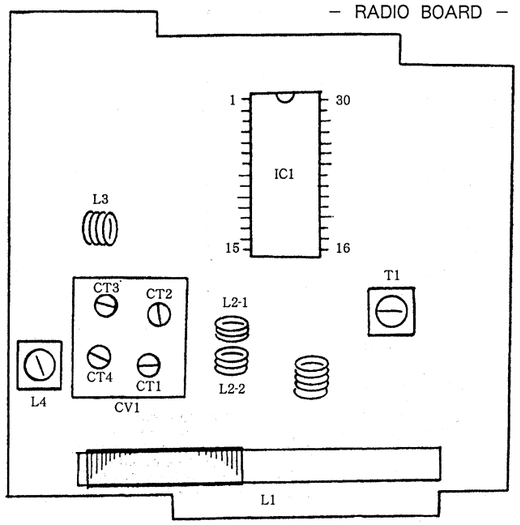
AM IF ALIGNMENT
Adjust for a maximum reading on VTVM.
T1
455kHz

AM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L4	520kHz
CT4	1,750kHz (1,650kHz)

( ) : AEP, AUS MODEL

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L1	620kHz
CT1	1,400kHz

– RADIO BOARD –



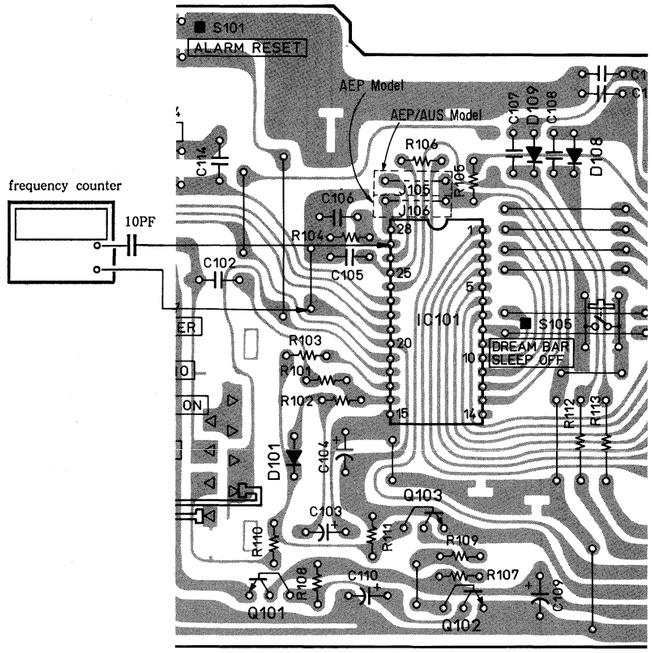
Clock Frequency Adjustment

Confirm that the reading on the frequency counter is 900 ±72Hz.

If frequency is higher, change capacitor value of C106.

If frequency is lower, change resistor value of R104.

– CLOCK BOARD –

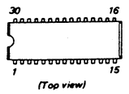


SECTION 4
DIAGRAMS

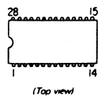
4-1. PRINTED WIRING BOARDS

● SEMICONDUCTOR LEAD LAYOUTS

CXA1019S

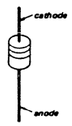


LM8560N

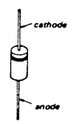


2SC2001
2SC945P

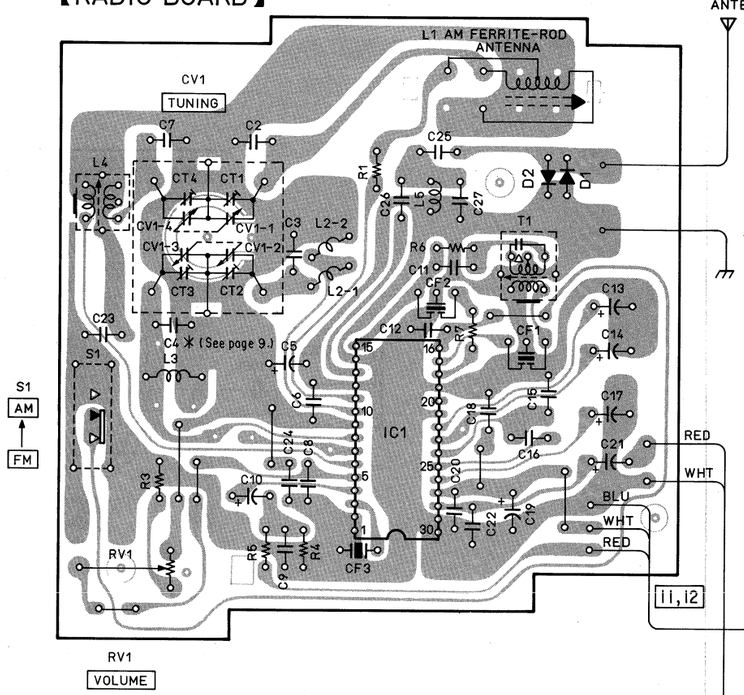
1SS119



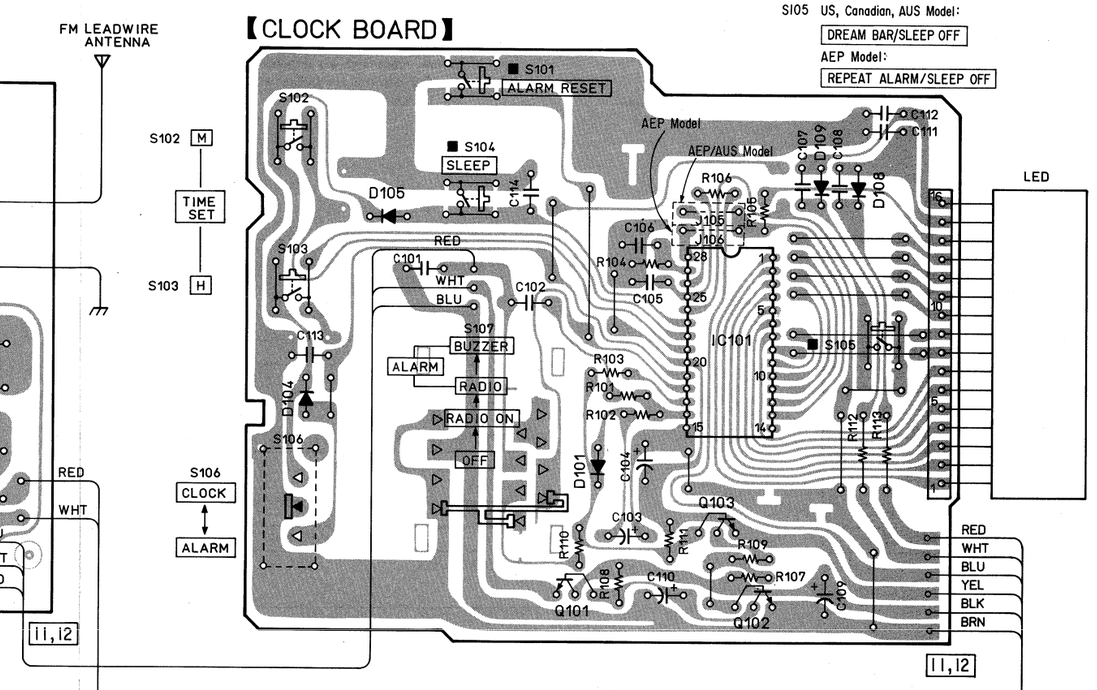
10E2



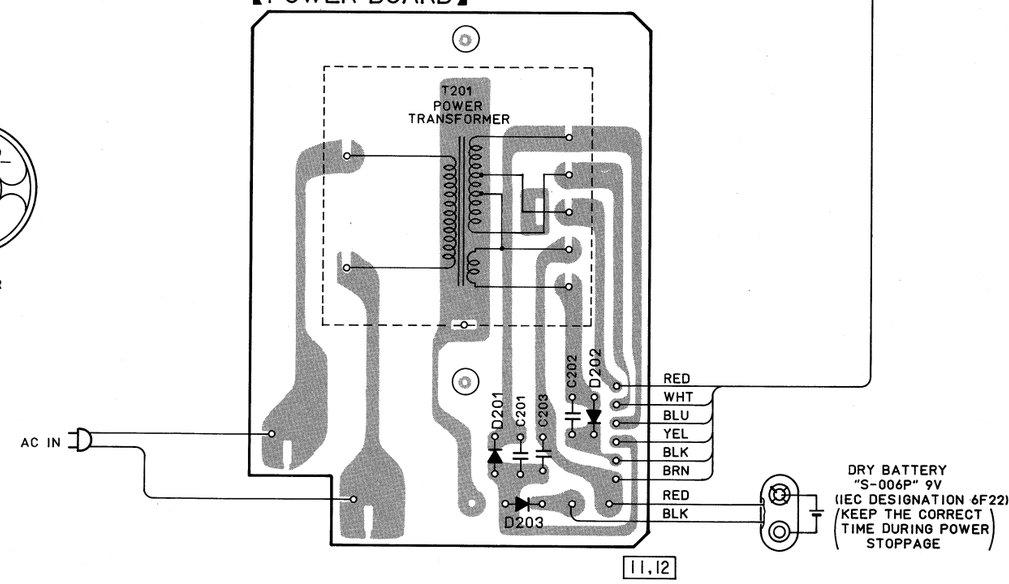
【RADIO BOARD】



【CLOCK BOARD】



【POWER BOARD】



RED
WHT
SP
SPEAKER

	US, Canadian model	AEP model	AUS model
J105 (50/60Hz SELECT)	×	○	○
J106 (12/24H SELECT)	×	○	×

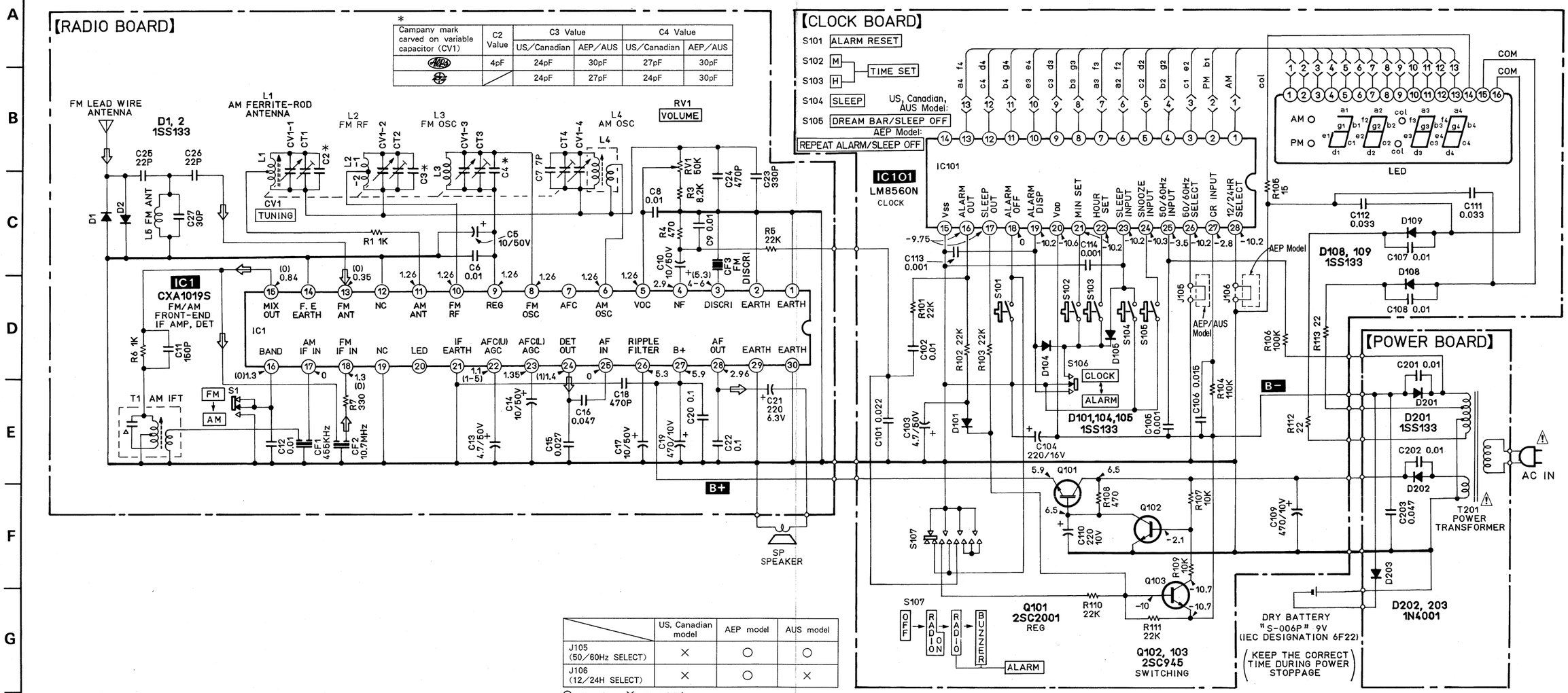
○ : mount × : no mount

● SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
IC1	D-3	D101	D-8
IC101	C-9	D104	C-6
		D105	B-7
Q101	D-8	D108	B-9
Q102	D-9	D109	B-9
Q103	D-9		
		D201	G-8
D1	B-4	D202	G-9
D2	B-4	D203	H-3

Note :

- ○— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ⊡← indicates side identified with part number.



Campany mark carved on variable capacitor (CV1)	C2 Value	C3 Value		C4 Value	
		US/Canadian	AEP/AUS	US/Canadian	AEP/AUS
AMP	4pF	24pF	30pF	27pF	30pF
		24pF	27pF	24pF	30pF

	US, Canadian model	AEP model	AUS model
J105 (50/60Hz SELECT)	×	○	○
J106 (12/24H SELECT)	×	○	×

○ : mount × : no mount

Note :

- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B+ Line
- B− : B− Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM

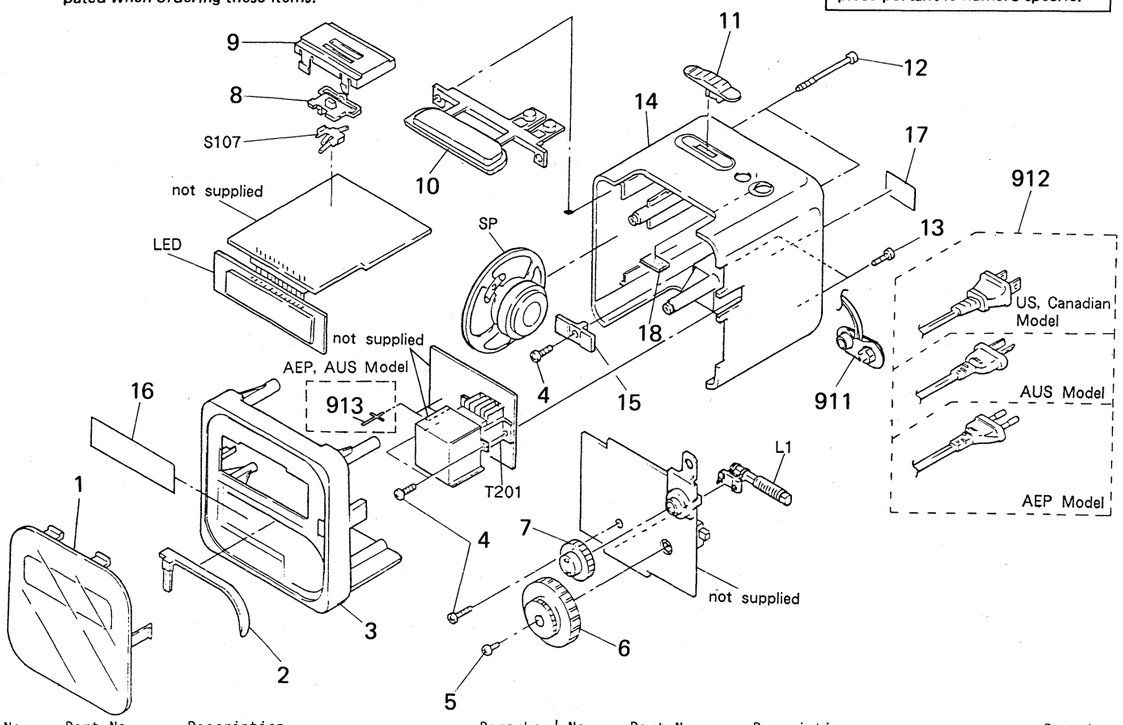
SECTION 5
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts' Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.



No.	Part No.	Description	Remarks
1	3-899-693-01	(US,Canadian)...PLATE, INDICATION	
	3-899-693-11	(AEP,AUS).....PLATE, INDICATION	
2	3-899-698-01	POINTER	
3	3-901-505-01	(WHT).....CABINET (FRONT)	
	3-901-505-11	(US,AEP,AUS:GRY).....CABINET (FRONT)	
	3-901-505-41	(Canadian,AEP:BLK)...CABINET (FRONT)	
4	7-685-648-79	SCREW +P 3X12 TYPE2 NON-SLIT	
5	7-621-775-10	SCREW +B 2.6X4	
6	*3-899-696-01	(WHT).....KNOB (T)	
	*3-899-696-11	(US,AEP,AUS:GRY).....KNOB (T)	
	*3-899-696-21	(Canadian,AEP:BLK)...KNOB (T)	
7	3-899-695-01	(WHT).....KNOB (V)	
	3-899-695-11	(US,AEP,AUS:GRY).....KNOB (V)	
	3-899-695-21	(Canadian,AEP:BLK)...KNOB (V)	
8	*3-986-303-01	SLIDER (FUNCTION)	
9	*3-986-306-01	HOLDER (FUNCTION)	
10	3-899-694-01	(WHT).....BUTTON (CONTROL)	
	3-899-694-11	(US,AEP,AUS:GRY).....BUTTON (CONTROL)	
	3-899-694-21	(Canadian,AEP:BLK)...BUTTON (CONTROL)	
11	3-899-697-01	(WHT).....KNOB (F)	
	3-899-697-11	(US,AEP,AUS:GRY).....KNOB (F)	
	3-899-697-21	(Canadian,AEP:BLK)...KNOB (F)	
12	3-844-665-00	SCREW, REAR COVER	
13	7-685-149-11	SCREW +P 3X14 TYPE2 NON-SLIT	
14	3-901-506-01	(US,Canadian:WHT)...CABINET (REAR)	
	3-901-506-11	(US:GRY).....CABINET (REAR)	
	3-901-506-22	(AUS:WHT).....CABINET (REAR)	
	3-901-506-51	(Canadian:BLK).....CABINET (REAR)	
	3-901-506-61	(AEP:BLK)....CABINET (REAR)	
	3-901-506-71	(AEP:WHT)....CABINET (REAR)	
	3-901-506-81	(AEP:GRY)....CABINET (REAR)	
	3-902-089-01	(AUS:GRY)....CABINET (REAR)	
15	*3-884-408-00	STOPPER, CORD	
16	3-901-503-01	(WHT)...PANEL, BACK	
17	*3-902-009-01	(AUS)...LABEL, MODEL NUMBER	
18	3-831-441-XX	CUSHION (5)	
911	1-535-253-00	SNAP, BATTERY	
912	1-555-795-00	(AEP).....CORD, POWER	
	1-558-566-21	(US,Canadian)...CORD, POWER	
	1-559-912-11	(AUS).....CORD, POWER	
913	1-535-476-11	(AEP,AUS)...TERMINAL	
LED	1-808-653-11	(US,Canadian,AUS)...LED BLOCK(GREEN LED)	
LED	1-808-653-21	(AEP).....LED BLOCK(GREEN LED)	
S107	3-986-304-01	PLATE (FUNCTION), CONTACT	
SP	1-503-082-00	SPEAKER	
T201	⚠1-449-528-11	(US,Canadian)...TRANSFORMER, POWER	
T201	⚠1-449-529-11	(AEP).....TRANSFORMER, POWER	
T201	⚠1-449-530-11	(AUS).....TRANSFORMER, POWER	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			
911	1-535-253-00	SNAP, BATTERY			
912	1-555-795-00	(AEP).....CORD, POWER			
	1-558-566-21	(US,Canadian)...CORD, POWER			
	1-559-912-11	(AUS).....CORD, POWER			
913	1-535-476-11	(AEP,AUS)...TERMINAL			
C2	1-102-937-00	CERAMIC	4PF	0.5PF	50V
C3	1-102-960-00	(US,Canadian) ...CERAMIC	24PF	5%	50V
C3	1-102-961-00	(AEP,AUS)...CERAMIC	27PF	5%	50V
C3	1-102-962-00	(AEP,AUS)...CERAMIC	30PF	5%	50V
C4	1-101-982-11	(US,Canadian) ...CERAMIC	24PF	5%	50V
C4	1-102-961-00	(US,Canadian) ....CERAMIC	27PF	5%	50V
C4	1-102-962-00	(AEP,AUS)...CERAMIC	30PF	5%	50V
C5	1-123-356-00	ELECT	10MF	20%	50V
C6	1-161-051-00	CERAMIC	0.01MF	10%	25V
C7	1-102-944-00	CERAMIC	7PF	0.5PF	50V
C8	1-161-051-00	CERAMIC	0.01MF	10%	25V
C9	1-161-051-00	CERAMIC	0.01MF	10%	25V
C10	1-123-356-00	ELECT	10MF	20%	50V
C11	1-101-361-00	CERAMIC	150PF	10%	50V
C12	1-161-051-00	CERAMIC	0.01MF	10%	25V
C13	1-123-369-00	ELECT	4.7MF	20%	50V
C14	1-123-356-00	ELECT	10MF	20%	50V
C15	1-161-056-00	CERAMIC	0.027MF	10%	25V
C16	1-161-021-11	CERAMIC	0.047MF	10%	25V
C17	1-123-356-00	ELECT	10MF	20%	50V
C18	1-102-824-00	CERAMIC	470PF	10%	50V
C19	1-126-103-11	ELECT	470MF	20%	10V
C20	1-162-851-11	CERAMIC	0.1MF	20%	16V
C21	1-126-335-11	ELECT	220MF	20%	6.3V
C22	1-162-851-11	CERAMIC	0.1MF	20%	16V
C23	1-102-820-00	CERAMIC	330PF	10%	50V
C24	1-102-824-00	CERAMIC	470PF	10%	50V
C25	1-102-959-00	CERAMIC	22PF	5%	50V
C26	1-102-959-00	CERAMIC	22PF	5%	50V
C27	1-102-962-00	CERAMIC	30PF	5%	50V
C101	1-161-055-00	CERAMIC	0.022MF	10%	25V
C102	1-161-051-00	CERAMIC	0.01MF	10%	25V
C103	1-123-369-00	ELECT	4.7MF	20%	50V
C104	1-123-321-00	ELECT	220MF	20%	16V
C105	1-162-294-31	CERAMIC	0.001MF	10%	50V
C106	1-130-485-00	MYLAR	0.015MF	5%	50V
C107	1-161-379-00	CERAMIC	0.01MF	30%	16V
C108	1-161-379-00	CERAMIC	0.01MF	30%	16V
C109	1-126-103-11	ELECT	470MF	20%	10V
C110	1-126-335-11	ELECT	220MF	20%	10V
C111	1-161-057-00	CERAMIC	0.033MF	10%	25V
C112	1-161-057-00	CERAMIC	0.033MF	10%	25V
C113	1-101-001-00	CERAMIC	0.001MF		50V
C114	1-101-001-00	CERAMIC	0.001MF		50V
C201	1-101-004-00	CERAMIC	0.01MF		50V
C202	1-101-004-00	CERAMIC	0.01MF		50V
C203	1-161-021-11	CERAMIC	0.047MF	20%	25V
CF1	1-577-072-11	FILTER, CERAMIC 455kHz			
CF2	1-567-538-71	FILTER, CERAMIC 10.7MHz			
CF3	1-567-538-71	FILTER, CERAMIC FM DISCRI			
CT1-4 CV1	1-151-614-11	(AEP,AUS).....CAP, VARIABLE			
CT1-4 CV1	1-151-628-11	(US,Canadian)...CAP, VARIABLE			
D1	8-719-911-19	DIODE 1SS119			
D2	8-719-911-19	DIODE 1SS119			
D101	8-719-911-19	DIODE 1SS119			
D104	8-719-911-19	DIODE 1SS119			
D105	8-719-911-19	DIODE 1SS119			
D108	8-719-911-19	DIODE 1SS119			
D109	8-719-911-19	DIODE 1SS119			
D201	8-719-911-19	DIODE 1SS119			
D202	8-719-200-02	DIODE 10E2			
D203	8-719-200-02	DIODE 10E2			
IC1	8-752-035-29	IC CXA1019S			
IC101	8-759-821-46	IC LM8560N			
L1	1-402-405-11	(AEP,AUS).....ANTENNA, FERRITE-ROD (AM)			
L1	1-402-413-21	(US,Canadian)..ANTENNA, FERRITE-ROD(AM)			
L2-1	*1-422-349-11	COIL, AIR-CORE (FM RF)			
L2-2	*1-422-349-11	COIL, AIR-CORE (FM RF)			
L3	1-406-273-11	(AEP,AUS).....COIL, FM OSC			
L3	1-422-131-00	(US,Canadian)...COIL, FM OSC			
L4	1-406-028-00	COIL, OSC (AM)			
L5	1-401-228-00	ANTENNA COIL (FM ANT)			
LED	1-808-653-11	(US,Canadian,AUS) ...LED BLOCK (GREEN LED)			
LED	1-808-653-21	(AEP).....LED BLOCK (GREEN LED)			
Q101	8-729-100-13	TRANSISTOR 2SC2001			
Q102	8-729-194-57	TRANSISTOR 2SC945-P			
Q103	8-729-194-57	TRANSISTOR 2SC945-P			

Note on replacing C3 and C4
Change the value of C3 and C4 by company mark carved on variable capacitor (CV1). (See page 9.)

Ref.No.	Part No.	Description			
R1	1-249-417-11	CARBON	1K	5%	1/4W
R3	1-249-428-11	CARBON	8.2K	5%	1/4W
R4	1-249-413-11	CARBON	470	5%	1/4W
R5	1-249-433-11	CARBON	22K	5%	1/4W
R6	1-249-417-11	CARBON	1K	5%	1/4W
R7	1-249-411-11	CARBON	330	5%	1/4W
R101	1-249-433-11	CARBON	22K	5%	1/4W
R102	1-249-433-11	CARBON	22K	5%	1/4W
R103	1-249-433-11	CARBON	22K	5%	1/4W
R104	1-247-880-11	CARBON	110K	5%	1/4W
R105	1-249-395-11	CARBON	15	5%	1/4W
R106	1-249-441-11	CARBON	100K	5%	1/4W
R107	1-249-429-11	CARBON	10K	5%	1/4W
R108	1-249-413-11	CARBON	470	5%	1/4W
R109	1-249-429-11	CARBON	10K	5%	1/4W
R110	1-249-433-11	CARBON	22K	5%	1/4W
R111	1-249-433-11	CARBON	22K	5%	1/4W
R112	1-247-692-11	CARBON	22	5%	1/4W
R113	1-247-692-11	CARBON	22	5%	1/4W
S1	1-552-370-00	SWITCH, SLIDE (FM/AM)			
S101	1-553-856-00	SWITCH, KEY BOARD (ALARM RESET)			
S102	1-553-856-00	SWITCH, KEY BOARD (TIME SET M)			
S103	1-553-856-00	SWITCH, KEY BOARD (TIME SET H)			
S104	1-553-856-00	SWITCH, KEY BOARD (SLEEP)			
S105	1-553-856-00	SWITCH, KEY BOARD(DREAM BAR/SLEEP OFF)			
S106	1-571-817-11	SWITCH, SLIDE (CLOCK/ALARM)			
S107	3-986-304-01	PLATE (FUNCTION), CONTACT			
SP	1-503-082-00	SPEAKER			
T1	1-404-341-00	TRANSFORMER, IF (AM)			
T201 ⚠	1-449-528-11	(US,Canadian)...TRANSFORMER, POWER			
T201 ⚠	1-449-529-11	(AEP).....TRANSFORMER, POWER			
T201 ⚠	1-449-530-11	(AUS).....TRANSFORMER, POWER			
VR1	1-228-790-21	RES, VAR, CARBON 50K (VOLUME)			

ACCESSORY & PACKING MATERIAL

3-750-073-11	(AEP).....MANUAL, INSTRUCTION (ENGLISH/GERMAN/FRENCH)
3-750-073-21	(US,Canadian,AUS) ...MANUAL, INSTRUCTION (ENGLISH)
3-750-073-31	(Canadian)...MANUAL, INSTRUCTION (FRENCH)
3-750-073-41	(AEP).....MANUAL, INSTRUCTION (SPANISH/DUTCH/SWEDISH/PORTUGUESE)
*3-899-622-01	SHEET, PROTECTION
*3-899-689-01	CUSHION (LEFT)
*3-899-690-01	CUSHION (RIGHT)
*3-899-688-01	(US).....INDIVIDUAL CARTON
*3-901-512-01	(Canadian)...INDIVIDUAL CARTON
*3-901-513-01	(AEP,AUS)....INDIVIDUAL CARTON

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	**Note:** Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.